


5 APPENDIX FIELD FORMS

HEADWATER STREAM ASSESSMENT FORM						Page 1 of 4	
STREAM NAME (& ABREV): _____ SITE # _____ DATE: / /							
COUNTY: _____ STATE: _____ USGS QUAD NAME: _____ REACH LENGTH (m): _____							
LATITUDE: _____ ° _____ ' _____ " LONGITUDE: _____ ° _____ ' _____ "							
DIRECTIONS TO STREAM SITE							
STUDY REACH HYDROLOGIC CONDITION							
<input type="checkbox"/> Visible surface flow continuous (4) <input type="checkbox"/> Visible flow interstitial (3) <input type="checkbox"/> Surface water present but no visible flow (2) <input type="checkbox"/> Surface water in pools only (1) <input type="checkbox"/> No surface water (0)							
MAX. POOL DEPTH (cm)		DEPTH TO BEDROCK / GROUNDWATER (m) (3 measures in depositional habitat)			SINUOSITY (number of bends)		
							
DISTANCE TO NEAREST SURFACE WATER (m)		CHANNEL SLOPE (%) (for three 10 m sections of study reach)			% CANOPY COVER (facing upstream, downstream, right & left banks)		
0 <100 100-500 >500		<div style="display: flex; justify-content: space-around;"> </div>			<div style="display: flex; justify-content: space-around;"> </div>		
PRESENCE OF HEADCUT IN REACH		ALGAL COVER INDEX			# CORES FOR SUBSTRATE MOISTURE (depositional)		
Y N		<div style="display: flex; justify-content: space-around;"> 1 1^{1/2} 2 3 4 5 </div>					
Terrestrial Herbaceous Vegetation in Active Channel? _____ Roots of Riparian Vegetation in Active Channel? _____ Base Flow Conditions?(Y/N) _____ Date of Last Precipitation? _____							
IN SITU WATER QUALITY MEASUREMENTS							
Location of Measurements	Cond (μS/cm)	Temp (°C)	DO (mg/l)	pH	Comments		
BIOTIC SAMPLES (ALL TAKEN IN <u>THALWEG & LABEL SAMPLES COMPLETELY</u>)							
INVERTEBRATE # BUCKET SAMPLES: Depositional Habitats _____ Erosional Habitats _____ TOTAL AREA SAMPLED: ____ m ² (each ~ 0.05 m ²)							
SAMPLE ID	HABITAT TYPE	NUMBER OF BAGS	COLLECTED BY:	COMMENTS			
ALGAE # STONES SAMPLED: Depositional Habitats _____ Erosional Habitats _____ TOTAL AREA SAMPLED: _____ cm ² (each 12)							
BRYOPHYTES SAMPLED: Y N							
SAMPLE ID _____			COMMENTS				

Meter #	Modal Sediment Particle Size (mm) *	Water Depth (cm)*	Habitat Type (E/D)	Notes (e.g., LWD, Leafpack)	Velocity (m/s)*	Wetted Width (m)	BF Width (m)	BF Depth (m)*	FPA width (m)§	
0										
1										
2										
3										
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STREAM DISCHARGE										Page 3 of 4	
Wetted Width (m) : _____ CELL WIDTH (m) : _____											
Depth(cm)											
Velocity(m/s)											
Q (m ³ s ⁻¹) = _____		Discharge procedure: _____									
		Velocity procedure/meter model: _____									
DRAWING OF STREAM REACH											
<p>FLOW →</p>											
30 ----- 15 ----- 0											
NOTES & SITE PHOTOS											
Wentworth scale (mm): <2, 2-4, 4-8, 8-16, 16-32, 32-64, 64-128, 128-256, 256-512, >512											
ACI: 1=substrate is rough with no apparent growth 1.5=substrate is slimy, but biofilm not visible 2=thin layer visible (0.5-1mm thick) 3=algal mat 1-5 mm thick & filamentous algae rare 4=algal mat 5-20 mm thick & filamentous algae common 5=algal mat >2 cm thick &/or filamentous algae dominate											

AMPHIBIAN ASSESSMENT FORM					Page 4 of 4
SITE NAME: _____					DATE: / /
COLLECTION TIME: _____ to _____			REACH LENGTH COVERED (m): _____		
SURVEYOR: _____					
SPECIES / LIFE STAGE					
SPECIES	#LARVAE	#JUVENILE	#ADULT	TOTAL	VOUCHER?
<i>Desmognathus fuscus</i>					
<i>Desmognathus monticola</i>					
<i>Desmognathus ochrophaeus</i>					
<i>Desmognathus welteri</i>					
<i>Eurycea bislineata</i>					
<i>Eurycea longicauda</i>					
<i>Gyrinophilus porphyriticus</i>					
<i>Pseudotriton montanus</i>					
<i>Pseudotriton ruber</i>					
OTHER					
NOTES ON AMPHIBIANS					
NOTES ON FISH (include species present)					



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